2A156

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. . . protecting the environment
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000060623

CORRES. CONTROL
OUTGONG LTR NO.

DOE ORDER # 4700.1

95 RF 09580

December 22, 1995

95-RF-09850
95-RM-ER-206-KH

DIST.	LTR	ENC
Bengal, P.		
Benson, C. A.		
Buddy, M. S.		
Evans, C. S.		
Findley, M.		
Guinn, G.		
Guinn, L.		
Hopkins, J.		
Jenkins, K.		
Jierree, C.		
Konwinski, G.		
Law, J. E.	X	X
Luker, R.S.		
McAnally, J. L.		
McHugh, M. F.		
Motyl, K. M.	X	X
Parker, A. M.	X	X
Primrose, A. L.		
Power, A.		
Schubbe, D. L.		
Steffen, D. E.		
Tyson, A. M.		
Zeile, H.		
FitzSimmons, J.	X	X
Weeks, D.	X	X
ER REC CTR (2)	X	X
CORRES.CONTROL	X	X
RMRS CC	X	X
TRAFFIC		

CLASSIFICATION

UCNI		
UNCLASSIFIED	X	X
CONFIDENTIAL		
SECRET		

AUTHORIZED CLASSIFIER SIGNATURE

DOCUMENT CLASSIFICATION

REVIEW WAIVER PER

CLASSIFICATION OFFICE

DATE

IN REPLY TO RFP CC NO:

NA

ACTION ITEM STATUS

☐ OPEN ☒ CLOSED

☐ PARTIAL

LTR APPROVALS:

ORIG & TYPIST INITIALS:

JRF dql

RF-46469 (Rev. 11/95)

G. M. Kelly
Kaiser-Hill, L.L.C.
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Golden, CO 80402-0464

ACTION PLAN FOR THE FEDERAL ENERGY REGULATORY COMMISSION (FERC) INSPECTION (KH00003NS1A) – JEL-055-95

This letter transmits the *Action Plan for Federal Energy Regulatory Commission's Findings and Follow-up Actions* (attached). This plan is the result of a Federal Energy Regulatory Commission (FERC) inspection performed at the Rocky Flats Environmental Technology Site (Site) on July 26, 1995. The action plan was requested by C. L. Row, Department of Energy/Rocky Flats Field Office Site Support Division, in correspondence (11803) and was required within the first quarter FY96.

The recommended corrective actions identified in this plan are covered in Rocky Mountain Remediation Services, L.L.C. (RMRS) work package No. 12385. RMRS Sitewide Surface Water has completed the Dam A-4 and Dam C-2 deficiencies by verifying the monument reading. All other corrective actions are currently in-progress and will be completed during FY96.

Please address questions to J. R. FitzSimmons, extension 6264.

John E. Law, P.E.
Remediation Manager
Sitewide Actions

JRF:dql

Enclosure:
As Stated

22.015.F

ACTION PLAN FOR FEDERAL ENERGY REGULATORY COMMISSION'S FINDINGS AND FOLLOW-UP ACTIONS ON JULY 26, 1995

Listed below are the findings and follow-up corrective actions that were observed during the July 26, 1995 Annual Dam Inspection. During FY95 Dams A-2, A-3, A-4, B-5, C-2, and Landfill were inspected by FERC, DOE, Kaiser-Hill, and RMRS.

Deficiencies reported in the 1995 FERC inspection report common to all dams.

1. *"Excessive vegetation around the downstream end of the outlet works and upstream faces of these dams. It was the consensus of opinion that DOE-RF will make efforts to clear up all the vegetation, as soon as possible."*

The excessive vegetation around the downstream end of the outlet works makes it hard, if not impossible, to properly inspect for leaks. RMRS is awaiting approval of the FONSI on the Surface Water Drainage System Environmental Assessment by DOE. This EA address general ditches around plant site, therefore once approved the ditches below Dams A-3, A-4, B-2, and C-2 can be cleaned out.

At present RMRS has funding in the FY96 budget to mow the faces of the dams. The routine maintenance Integrated Work Control Package has been reopened in FY96, after being placed on hold in FY95 due to budget constraints. RMRS proposes that the dam faces be mowed just prior the 1996 FERC inspection to enable a more thorough inspection while FERC is present.

2. *"Downstream controls on the outlet works. It appears that DOE-RF expects to move these to the upstream side during FY96."*

An engineering firm is under contract to supply the design for the placement of new valves on the upstream side of Dams A-4, B-5, and C-2. The 90% design for Dam A-4 was completed January 5, 1996. The schedule at present is to complete the installation of a valve on Dam A-4 in April 1996. Installation of upstream valves on B-5 and C-2 is not funded for completion in FY96.

Findings relevant to specific dams as reported in the 1995 FERC inspection report.

Dam A-3 *"For the dam A-3 spillway, the erosion downstream of the toe wall and the right flank where the channel curves to return to stream needs to be repaired on a priority basis."*

The design for the repair of the A-3 spillway has been completed. The construction effort will be integrated into the Dam A-4 valve project.

Dam B-5 *"Spillway at Dam B-5 has a 90 degrees right hand bend. Some high spots at the bend were noticed. These should preferably be graded to keep the flow within the confines of the spillway channel."*

As this is not a high priority action, regrading of the spillway/roadway, therefore, is not scheduled for completion until the summer of 1996.

Dams A-4 and C-2 *"A couple of monuments readings for Dams A-4 and C-2 showed some unusual values, indicating settlement of as much as 0.13 feet during one month and then back to normal during next month. These need to be re-evaluated and carefully watched for any unusual pattern."*

Survey notes for monuments surveys were re-checked for possible errors and found to be accurate. Because of similar relatively large vertical movement at B-5 and C-2, monitoring personnel believe the off-dam monument used as a benchmark for the survey is susceptible to movement and will not be used for future measurements. It is believed that the benchmark, a 2 1/2 inch diameter aluminum cap on an aluminum pipe 30 inches long encased in concrete, was a higher elevation during the last four surveys due to the extremely wet condition causing expansion of the soil around the benchmark. Future surveys will be based off of a new off-dam benchmark that is the same as the on-dam monuments which minimize the effects of weather conditions (stainless steel rod driven to refusal, approximately twenty feet below ground surface, with greased fin to allow the immediate ground surface rod to move without monument moving).